

Adjustable Speed Drive Demonstration Office

An offering of EPRICSG, Inc.



The EPRI ASDO can help your customers switch to adjustable speed drives and other power electronic equipment.

Motor and drive systems, which are used in every customer segment, consume more than two-thirds of all electricity used in the United States. They offer enormous potential for electrification in commercial, industrial, agricultural, transportation, and utility areas, where power has traditionally been provided by fossil-fueled engines. To tap into this potential, energy service providers need the technical expertise to show their customers how power electronic equipment and adjustable speed drives (ASDs) can improve their productivity, product quality, and profitability while reducing costs and environmental impact. The EPRI Adjustable Speed Drive Demonstration Office (ASDO) is ready to help, offering Power Quality Target funders preferential access to consulting services and support.

THE EPRI ASDO OFFERS ASD DEVELOPMENT, DESIGN, MANUFACTURE, AND APPLICATION EXPERTISE in a wide variety of industries, including cement, mining, petrochemicals, pulp and paper, water and wastewater, food, glass, rubber and plastics, textiles, power, and metals. The office employs an approach that takes into account your customer's entire system—from electric power supply to the production line. It has developed two software packages that help in the analysis, application, and

The Technical Expertise You Need

Consulting Services and Support

specification of ASDs. Established in 1993, the office is located in Cary, North Carolina, and serves energy service providers nationwide.

EPRI POWER QUALITY FUNDERS RECEIVE SPECIAL

TREATMENT AT THE ASDO. Products, services, and support include:

- Assistance with technology, process, and system design
- On-site facility assessments and screening for potential ASD application
- On-site and telephone troubleshooting
- On-site demonstrations
- Cost analysis of ASD applications
- Equipment specification
- EPRI ASDMaster™ software support
- Computer modeling to predict problems and test solutions
- Market assessment of new products
- Links and relationship-building with industry experts
- Conferences, on-site workshops, and seminars on power electronics, drives, and motors
- EPRI publications
- Project management assistance
- Review of customer technical development
- Review of customer construction plans
- Hotline
- Web site (for downloading relevant publications and materials)

THE EPRI ASDO IS STAFFED WITH NATIONALLY RECOGNIZED MOTOR, DRIVE, AND POWER QUALITY ENGINEERS. It also employs support staff and draws on a national network of expert consultants.

- Director Roger Lawrence has 26 years of experience in the application, development, design, and manufacture of motors and drives. His expertise extends across a diverse range of industries. Prior to joining the EPRI ASDO, Roger was the director of research and development for a major ASD manufacturer. He is a graduate of Imperial College, London University, and Mercer University.
- Paul Nelsen has conducted mechanical drive systems analysis for a number of industries, including power, petrochemicals, steel, and pulp and paper. He is the primary developer of the EPRI ASDMaster software program and has over seven years of experience in developing software for engineering applications. Paul has a mechanical engineering degree from North Carolina State University.
- Bob Schubauer has more than 25 years of industrial experience, specializing in motors, ASDs, and motion control systems. He has provided technical training across the United States for major corporations and serves as an adjunct professor at North Carolina Wesleyan College. He holds degrees in electrical engineering and business from the State University of New York and Duquesne University.

YOU RECEIVE PREFERENTIAL ACCESS to ASDO Consulting Services and Support when you fund EPRI Power Quality Targets. More information about EPRI Power Quality activities can be found under the “Targets” tab on the EPRI 2000 Offering CD-ROM.

TO FIND OUT HOW THE ASDO CAN HELP YOU, CALL:

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